

## IN THE CLAIMS

Claim 1 (original). A heat-activable pressure-sensitive adhesive comprising a polymer or copolymer formed from a monomer composition comprising at least 50% by weight of a compound of the formula  $\text{CH}_2=\text{CH}(\text{R}_1)(\text{COOR}_2)$ , wherein  $\text{R}_1$  represents H or  $\text{CH}_3$  and  $\text{R}_2$  represents H or an alkyl chain having 1 to 30 carbon atoms, the polymer or copolymer having

a static glass transition temperature of  $-10^\circ\text{C}$  to  $120^\circ\text{C}$ ;

a temperature activation range of  $15^\circ\text{C}$  or less; and

a molecular weight distribution  $M_w/M_n$  of 2.5 or less.

Claim 2 (**currently amended**). The heat-activable pressure-sensitive adhesive of claim 1, ~~characterized in that~~ wherein the monomer composition comprises

(a1) 10% to 85% by weight of an acrylate or methacrylate ester of a nontertiary alcohol, whose homopolymer has a static glass transition temperature of  $0^\circ\text{C}$  or less;

(a2) 0 to 70% of an acrylate or methacrylate ester of an alcohol, whose homopolymer has a static glass transition temperature of at least  $50^\circ\text{C}$ ; and

(a3) 5% to 50% by weight of a monomer which carries a polar functional group.

Claim 3 (**currently amended**). The heat-activable pressure-sensitive adhesive of claim 2, ~~characterized in that~~ wherein components (a1) and (a2) are selected ~~independently of one another from a group which embraces~~ from the group consisting of acrylic and methacrylic esters each having alkyl groups of 4 to 9 carbon atoms.

Claim 4 (**currently amended**). The heat-activable pressure-sensitive adhesive of claim 2 ~~or claim 3, characterized in that~~ wherein components (a1) and (a2) are selected independently of one another from ~~a group which embraces~~ the group consisting of methyl acrylate, methyl methacrylate, ethyl acrylate, n-butyl acrylate, n-butyl methacrylate, n-pentyl acrylate, n-hexyl acrylate, n-heptyl acrylate, n-octyl acrylate, n-octyl methacrylate, n-nonyl acrylate, lauryl acrylate, stearyl acrylate, behenyl acrylate, and the branched isomers thereof.

Claim 5 (**currently amended**). The heat-activable pressure-sensitive adhesive of ~~any one of claims 2 to 4, characterized in that~~ claim 2, wherein component (a2) is selected from ~~a group which embraces~~ the group consisting of monofunctional acrylates and methacrylates of bridged substituted or unsubstituted cycloalkyl alcohols having at least 6 carbon atoms.

Claim 6 (**currently amended**). The heat-activable pressure-sensitive adhesive of ~~any one of claims 2 to 5, characterized in that~~ claim 2, wherein component (a2) is selected from ~~a group which embraces~~ the group consisting of cyclohexyl methacrylates, isobornyl acrylate, isobornyl methacrylates, and 3,5-dimethyladamantyl acrylate.

Claim 7 (**currently amended**). The heat-activable pressure-sensitive adhesive of ~~any one of claims 2 to 6, characterized in that~~ claim 2, wherein the polar group of component (a3) is a carboxyl, sulfonic acid, phosphonic acid, hydroxyl, lactam, lactone, N-substituted amide, N-substituted amine, carbamate, epoxy, thiol, ether, alkoxy or cyano group.

Claim 8 (**currently amended**). The heat-activable pressure-sensitive adhesive of ~~any one of the preceding claims, characterized in that~~ claim 1, wherein the polymer or copolymer has a static glass transition temperature of 0°C to 100°C.

Claim 9 (**currently amended**). A process for preparing a the heat-activable pressure-sensitive adhesive of ~~any one of claims 1 to 8, characterized in that the~~ claim 1, wherein said monomer composition is polymerized by controlled free-radical addition polymerization.

Claim 10 (**amended**). ~~The use of a heat-activable pressure-sensitive adhesive of any one of claims 1 to 8 for an~~ An adhesive tape comprising the heat activable pressure-sensitive adhesive of claim 1.

Claim 11 (**currently amended**). The ~~use~~ adhesive tape of claim 10, ~~characterized in that wherein~~ the heat activable pressure-sensitive adhesive is coated onto one or both sides of a carrier.